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A REGISTER OF COMMUNICATIONS RESEARCH  
IN CANADA 1974-1975

(Status Report)

UN REPERTOIRE DES PROJETS DE RECHERCHE  
EN COMMUNICATIONS AU CANADA 1974-1975

(mise à jour)

PREPARED BY	PREPARE PAR
THE STAFF	LE PERSONNEL
OF THE	DU
Canadian Communications Research	Centre canadien d'information sur
Information Centre	la recherche en communications

222 Queen  
Ottawa K1P 5V9  
Canada

~~DEPARTMENT OF COMPUTER SCIENCE~~  
~~MCLENNAN LABORATORY~~  
~~UNIVERSITY OF TORONTO~~

JAN 31 1977





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## PREFACE

In the summer of 1975, the Canadian Communications Research Information Centre published a register of current research projects. Beyond the bounds of subject content there were three limitations for inclusion; the research had to be either by Canadians or about Canada; the research had to have been initiated or completed in 1974-75; and finally, information about the project had to be in the public domain.

As a year has gone by, the Centre felt that in addition to providing a second edition for new projects, a status report should be made available on the earlier projects. Accordingly, we compiled the information in this report.


Complete information on the research project is not repeated. The title of the work, a comment on completion, and a list of resulting publications are indicated. Full address information of the researchers must be obtained from the Centre.

The information contained in this report was compiled via a questionnaire which was circulated to all of the investigators who participated in the first edition. In the cases where researchers chose either not to reply or they wished that we keep the information confidential, we have made no entry. In order to facilitate cross-referencing with the register for 1974-75, the numerical sequence in which the projects are listed in the report corresponds with the order in which they were originally reported in the register. If a reply is subsequently received but too late for inclusion, we shall provide a progress report in a regular issue of the Newsletter.

The staff of the Centre welcomes feedback on any aspect of the report so that subsequent work can be improved to meet user requirements. The support of the Canada Council through the Canadian Commission for Unesco, the research services of the Canadian Broadcasting Corporation, the Canadian Radio-television and Telecommunications Commission, the federal Department of Communications, and the Agency for Tele-education in Canada, is gratefully acknowledged.

Ash K. Prakash  
Executive Director

September 15, 1976



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## AVANT-PROPOS

A l'été de 1975, le Centre canadien d'information sur la recherche en communications, a publié un répertoire des projets de recherche en cours. Abstraction faite du sujet traité, trois conditions devaient se trouver réunies; la recherche devait être faite par des Canadiens ou devait porter sur le Canada; elle devait avoir été amorcée ou achevée en 1974-1975; et, enfin, les renseignements relatifs au projet devaient être du domaine public.

Comme il y a déjà une année d'écoulée, le Centre a préparé une mise à jour des projets antérieurs avant de publier une seconde édition des nouveaux projets. Conséquemment, ce rapport contient la compilation de ces informations.

Les renseignements concernant les projets de recherche, ne sont pas répétés en entier. On y indique le titre de l'ouvrage, un commentaire relatif à sa réalisation, et une liste des publications qui en résultent. On peut obtenir du Centre l'adresse complète des chercheurs.

Les informations contenues dans ce rapport, ont été recueillies au moyen d'un questionnaire distribué à tous les chercheurs qui ont participé à la première édition. Advenant le cas où les chercheurs ont choisi de ne pas répondre ou ont demandé la confidentialité, aucune entrée n'a été faite. Afin de faciliter les références au répertoire 1974-1975, l'ordre numérique dans lequel les projets figurent dans ce rapport correspond à l'ordre dans lequel les projets ont été rapportés originalement. Si une réponse est reçue mais trop tard pour être incluse dans ce rapport, nous donneront un compte-rendu dans un numéro régulier du bulletin Nouvelles.

Le Centre aimerait connaître vos réactions, sur tout aspect de cette mise à jour, de façon qu'il puisse améliorer les éditions ultérieures pour mieux répondre à vos besoins. Nous sommes reconnaissants de l'appui du Conseil des Arts du Canada - par l'entremise de la Commission canadienne pour l'Unesco - des services de recherche de la Société Radio-Canada, du Conseil de la radiodiffusion et des télécommunications canadiennes, du ministère fédéral des Communications, ainsi que de l'Agence de Télévision Educative au Canada.

Ash K. Prakash  
Directeur exécutif

Le 15 septembre 1976





1. ABBEY, D.S.

Title: Evaluation of Three Programmes from the Series "...with Fred and Harry".

Research: Completed

Report: Abbey, D.S. Evaluation of Three Programmes from the Series "...with Fred and Harry". A mimeo report to the Ontario Educational Communications Authority. Toronto, 1974.

The Report is not publically available.

2. AGRANOVE, L.M.

Title: A Study of the Effectiveness of Teleconferences in Social Survey Research.

Research: Completed

Reports: Agranove, L.M. The Use of Teleconferencing in an Evaluation of Housing Projects. Ottawa: Department of Communications\*, 1974.

Agranove, L.M., "Don't come - Call", In Search, II, No. 4 (Fall, 1975), 3-8.

Agranove, L.M. "Téléphonons-nous plutôt!", En Quête, II, N<sup>o</sup> 4 (Automne, 1975), 3-8.

3. ALLEN, V.

Title: Awareness and Use of Food Label Information by Middle and Low Income Housewives.

Research: Completed

Report: Undergraduate thesis (Consumer Studies), University of Guelph.

4. ANDERSON, J.B.

Title: Problems of Multiple Access to a Communications Satellite with Many Users.

Research: Continuing

Reports: Interim Reports

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\* indicates that the report is the property of the Department named.  
indique que le rapport est la propriété du département mentionné.





6. ATKINSON, T.H.

Title: A Data Base for Research in Communication Behaviour.

Research: Completed

Reports: A machine readable data file of approximately 1000 entries is available. Ottawa: Department of Communications\*, 1975.

8. BAUM, D.J.

Title: A Study into the Jurisdictional Difficulties of Segregating Broadcast Facilities from Programming with Emphasis on Ownership/Control Aspects as well as an Analysis of the Issues of Delegation of Authority and Programming Flexibility/Coverage.

Research: Completed

Report: Baum, D.J. Broadcasting Regulation in Canada: the Power of Decision. Toronto: Osgoode Hall Law Journal, 1975.

9. BEAL, J.C.; BERRY, J.W.; FRANKS, C.E.S.; HARMSSEN, R.; HERMAN, K.A.; McKIRDY, J.G.M.; PEPPARD, L.E.

Title: The Application of Dynamic Modelling to the Study of Telecommunications Development in Canada; a multidisciplinary project involving six disciplines.

Research: Completed

Report: A final, overall, report is in the final stages of preparation.

10. BEGIN, Y.; DUSSAULT, G.; LECLERC, M.; PAQUET, D.; ROY, M.; TURCOTTE, C.

Titre: Evaluation d'un système d'apprentissage individualisé pour l'élémentaire.

Recherche: Se poursuit

Rapport: Bégin, Y., et al. Evaluation d'un système d'apprentissage individualisé pour l'élémentaire; projet SAGE. Québec: INRS-Education",\* 1976





12. BREZINA, E.; WASHBURN, P.; WILSON, W.

Title: Communications in Ontario: a survey of public attitudes.

Research: Completed

Report: Brezina, E., Washburn, P. and Wilson, W. Communications in Ontario: a survey of public attitudes. Toronto: Ontario Ministry of Transport and Communications\*, 1974.

14. BULLIS, R.

Title: Searching for the Soul of Recent English - Canadian Feature Films.

Research: Completed

Report: Honours thesis.

16. CAMPLING, C.H.R.; DICKS, D.J.; WITTKE, P.H.

Title: A Study of Communications Research in an Interdisciplinary and Interinstitutional Context.

Research: Completed

Report: Dicks, D.J., Wittke, P.H. and Campling, C.H.R., Middle ground - Interdisciplinary Research in Communications. Kingston: Department of Electrical Engineering, Queen's University, 1975.

The Report is not publically available.

32. CANADIAN CABLE TELEVISION ASSOCIATION

Title: A Brief to the Honourable Robert M. Strachan, Minister of Transport and Communications, Government of British Columbia on Cable Television Communication in British Columbia.

Research: Completed

Report: Canadian Cable Television Association. A Brief to the Honourable Robert M. Strachan, Minister of Transport and Communications, Government of British Columbia on Cable Television Communication in British Columbia. Ottawa: Canadian Cable Television Association, 1974





33. CANADIAN CABLE TELEVISION ASSOCIATION

Title: A Brief to the Members of the Executive Council,  
Province of Alberta.

Research: Completed

Report: Canadian Cable Television Association. A Brief to  
the Members of the Executive Council, Province of  
Alberta. Ottawa: Canadian Cable Television  
Association, 1974.

34. CANADIAN CABLE TELEVISION ASSOCIATION

Title: Cable Television from Here to Where.

Research: Completed

Report: Canadian Cable Television Association. Cable  
Television from Here to Where. Ottawa: Canadian  
Cable Television Association, 1974.

35. CANADIAN CABLE TELEVISION ASSOCIATION

Title: Ownership of Cable Television, a Good Canadian  
Connection.

Research: Completed

Report: Canadian Cable Television Association. Ownership  
of Cable Television, a Good Canadian Connection.  
Ottawa: Canadian Cable Television Association, 1974.

36. CANADIAN CABLE TELEVISION ASSOCIATION

Title: A Situation Report to the Honourable John R. Rhodes,  
Minister of Transportation and Communications,  
Province of Ontario, on Cable Television.

Research: Completed

Report: Canadian Cable Television Association. A Situation  
Report to the Honourable John R. Rhodes, Minister  
of Transportation and Communications, Province of  
Ontario, on Cable Television. Ottawa: Canadian  
Cable Television Association, 1974.





39. COLL, D.C.

Title: Continuation of the Design, Development and Implementation of a Programmable Wired City simulation Laboratory.

Research: Continuing

Reports: Coll, D.C., George, D.A., Strickland, L.H., Guild, P. and Paterson, S. "Multidisciplinary Application of Communications Systems in Teleconferencing and Education, IEEE: transactions on Communications COM-23, No. 10 (October 1975)

George, D.A., Coll, D.C., Strickland, L.H., Paterson, S., Guild, P. and McEown, J. The wired City Laboratory and Educational Communication Project: 1974-1975. Ottawa. Wired City Laboratory, Carleton University, 1975.

40. COLL, D.C.

Title: Continuation of the Wired City Simulation Laboratory.

Research: Completed

Report: Coll, D.C., George, D.A., Strickland, L.H., Paterson, S., Guild, P. and McEown, J. The Wired City Laboratory: Studies in Interactive Broadband Communications. Ottawa: Wired City Laboratory, Carleton University, 1974.

41. COLL, D.C.; *MAHMOND, S.A.*

Title: Development of System Software and Operational Procedures for an Interactive, Remote Access Video Store.

Research: Continuing

Report: The videodisk system is now interfaced to a general purpose host computer and development of a data base for the system is proceeding.

42. COLL, D.C.; *CHOMA, G.K.; CORCORAN, M.*

Title: Image Activity Analysis; investigations of the temporal and spatial correlations in real-time television images.

Research: Continuing



Report: Coll, D.C. and Choma, G.K. Image Activity Characteristics in Broadcast Television article submitted to IEEE: transactions on communications.

A digital frame store has been constructed to aid in the analysis of frame difference signals.

43. COLL, D.C.; JEMPSON, A.

Title: Optimization of Transform Coding Methods for the Transmission of Non-pictorial Images. (The research will extend the criteria by which image representation is considered acceptable to include what are essentially high frequency images).

Research: Continuing

Report: Two dimensional hybrid min-length/symbol encoding is being investigated experimentally.

44. COLL, D.C., CORCORAN, M.; RODDICK, P.

Title: A Time Multiplexed System for the Combining of Television Signals; development of a system in which designated frames in a television signal may be directed to specific frame grabbers.

Research: Continuing

Report: Variable rate frame interleaving has been demonstrated and computer control over the multiplexing rate implemented.

45. COMPLAN RESEARCH; TELEVISION BUREAU OF CANADA

Title: Another Look at Summer Television

Research: Completed

Report: Complan Research and Television Bureau of Canada. Another Look at Summer Television. Toronto: Television Bureau of Canada, 1974.

46. CONFERENCE DES RECTEURS ET DES PRINCIPAUX DES UNIVERSITES DU QUEBEC

Titre: Etude des programmes d'enseignement et de recherche en communication dans les universités du Québec.

Recherche: Terminée





Rapport: Conférence des Recteurs et des Principaux des Universités du Québec. Etude du secteur des communications dans les Universités du Québec. Ce rapport n'est pas accessible au public.

47. CONRATH, D.W.

Title: *The Impact of Communications Technology and the Communications Environment on Organizational Structure.*

Research: Continuing

Report: More emphasis is being given to the evaluation of new communications technology and its impact on individual behaviour and organizational structure.

48. CONRATH, D.W.; DUNN, E.; SWANSON, J.N.

Title: Evaluation of Alternative Communication Systems in Medical Diagnosis.

Research: Completed

Reports: Conrath, D.W., Dunn, E.V., Swanson, J.N. and Buckingham, P. "An Experimental Evaluation of Alternative Communication System as Used for Medical Diagnosis", Behavioral Science, September 1975, 296-305.

Articles also published in IEEE Transactions on Communications, October 1975, 1119-1126 and in Progress and Prospects in Health Care Distribution Systems. Proceedings of the First Miami International Conference, 1974, 11-13.

49. CONRATH, D.W.; DUNN, E.V.

Title: An Experimental Evaluation of Alternative Communication Systems as Used for Medical Diagnosis.

Research: Completed

Reports: Conrath, D.W., Dunn, E.V., Bloor, W.G. and Tranquada, B. "Preliminary Results of a Clinical Evaluation of Alternative Modes of Communication for the Delivery of Health Care to Remote Areas," Proceedings of the Human Factors Society, 19th Annual Meeting, Dallas, Texas, 1975, 69-75.

Article also published in Progress and Prospects in Health Care Distribution Systems. Proceedings of the Second Annual Miami International Conference, 1975, 212-214.





Article also submitted to the New England Journal of Medicine and Behavioral Science for publication.

51. CONWAY, J.

Title: Analysis of Components of a Self-dialysis Training Programme.

Research: Completed

Report: Conway, J. Review of Components of the Dialysis Training Programme. Toronto: University of Toronto, 1974.

52. CONWAY, J.

Title: A Survey of Faculty Attitudes and Experience in Media Development.

Research: Completed

Report: Conway, J. A Survey of Faculty Awareness, Experience and Attitudes Relating to Media Services. Toronto: University of Toronto, 1974.

54. DAKIN, A.J.

Title: Relationships between Telecommunications and the Computer Technology in the Context of the Planning of Greater Metropolitan Regions.

Research: Completed

Reports: Dakin, A.J. Telecommunications and the Planning of Greater Metropolitan Regions. Ottawa: Department of Communications\*, 1973.

55. DAKIN, A.J.

Title: Research Study on Telecommunication Programmes in Urban and Regional Planning Using the Wired City Facility at Carleton University.

Research: Completed

Report: Dakin, A.J. Telecommunications Experiments in Urban and Regional Planning. Ottawa: Department of Communications\*, 1974.



56. DAKIN, A.J.

Title: A Study of the Relationships between the Telecommunications and Computer Technologies and Certain Present and Possible Future Characteristics of the Culture.

Research: Completed

Report: Dakin, A.J. Feedback from Tomorrow. London, England: Pion, Ltd., 1976.

58. DICKS, D.J.

Title: Impact of Communications Services in the Eastern Arctic.

Research: Completed

Report: Dicks, D.J. Impact of Communications Services in the Eastern Arctic. Kingston: Department of Electrical Engineering, Queen's University, 1975.

59. DILWORTH, SECORD, MEAGHER AND ASSOCIATES LTD; BRISTOL AEROSPACE LIMITED; CANADAIK LIMITED; NORTHERN ELECTRIC COMPANY LIMITED; PHILIP A. LAPP LIMITED; RCA LIMITED; SPAR AEROSPACE PRODUCTS LIMITED

Title: A Feasibility Study on the Design and Fabrication of Future Canadian Communication Satellites in Canada.

Research: Completed

Report: Dilworth, Secord, Meagher and Associates Ltd on behalf of the Air Industries Associations of Canada. A Feasibility Study on the Design and Fabrication of a Commercial Communications Satellite in Canada. Toronto: Dilworth, Secord, Meagher and Associates Ltd, 1975.

The Report is not publically available.

60. DONALDSON, R.W.

Title: Optimum Use of Communication Channels for the Transmission of Speech.  
*Information Processing and Transmission.*

Research: Continuing

Report: Work involves: (1) analysis, optimization and performance studies of non-adaptive and adaptive differential encoders of voice, video, and telemetry data for transmission over digital communication channels, (2) transform coding of





monochrome and colour video for digital transmission, storage and computer graphics, (3) analysis, optimization and performance studies of computer networks and distributed computer systems, (4) *machine recognition of speech and speakers*, and (5) *machine recognition of printed characters*.

61. DUBAS, O.; MARTEL, L.

Title: Science, the Mass Media, and the Public.

Research: Completed

Reports: Dubas, O. and Martel, L. Media Impact Vol. 2: Science, Mass Media and the Public. Ottawa: Information Canada, 1975.

Dubas, O. et Martel, L. Sciences et media vol. 2: Les sciences, les mass media et le public. Ottawa: Information Canada, 1975.

65. DUNCAN, G.A.

Title: A Comprehensive Study on Computer Software and its Requirements for Protection under Law Together with the Laws Governing Liability with Respect to its Operations.

Research: Completed

Report: Duncan, G.A. "Canadian Business and Economic Implications of Protecting Computer Programs", 1975. The report is not publically available.

66. DUNCAN, G.A.; BASSAM, D.W.; KEEFER, T.A.J.

Title: Nova Scotia Educational Technology Programme.

Research: Completed

Report: Government of Nova Scotia. Educational Technology Program for Nova Scotia - Final Report. Halifax: Queen's Printer, 1976.

68. ENGLAND, C.

Title: Climate of Censorship in Ontario; an investigation into attitudes toward intellectual freedom and the perceptual factors affecting the practice of censorship in public libraries serving medium-sized populations



Research: Completed

Report: Original available presently only in microfilm from the National Library.

69. FIELD, J.A.

Title: Transaction-oriented Data Communications Experiments and Studies.

Research: Completed

Report: Field, J. Transaction Oriented Data Communications Studies. Waterloo: Office of Research Administration, University of Waterloo, 1975.

The Report is not publically available.

70. FLAHERTY, D.H.; HANIS, E.H.

Title: Information Privay and Access to Microdata for Social Science Research.

Research: Continuing

Report: The study provides (1) a survey of social scientists' needs for access to microdata for research on significant issues of public policy, (2) an examination of the current practices of central statistical agencies with respect to the protection of the confidentiality of microdata collected by them. Intensive emphasis in this connection upon the practices of Statistics Canada; a more general survey of the same issues in the central statistical agencies of the United States, the United Kingdom, Sweden, and the Federal Republic of Germany, and (3) an evaluation of the adequacy of existing legal mechanisms in the five target countries for the protection of the confidentiality of microdata and for at the same time responding to the research needs of the international community of social scientists.

73. GAY, D.

Titre: La presse du Québec et l'Amérique latine, 1959-1973: essai sur les idéologies.

Recherche: Se poursuit

Rapport: Dans cette recherche, qui s'inspire de données de 1,008 éditoriaux et para-éditoriaux de l'Action, du Devoir, de La Presse, du Soleil et d'un échantillon de 501





nouvelles diffusées par ces quotidiens d'expression française au Québec, pour la période 1959-1973 inclusivement, nous nous proposons d'analyser les représentations et les attitudes de l'élite canadienne-française en rapport avec l'Amérique latine, ainsi que les techniques mises en oeuvre par la presse, tribune privilégiée de cette élite, en vue de diffuser, défendre ou justifier l'idéologie de celle-ci.

75. GEORGE, D.A.

Title: Educational Communications Project

Research: Completed

Report: George, D.A. et al. The Wired City Laboratory and Educational Communication Project: 1974-1975. Ottawa: Carleton University, 1975.

76. GORDON, M.J.

Title: Impact of the Macro Economic Variables on Telecommunication Carrier Cost of Capital, Investment and Financing.

Research: Continuing

Report: Gordon, M.J. Impact of the Macro Economic Variables on Telecommunication Carrier Cost of Capital, Investment and Financing. Ottawa: Department of Communications\*, 1974.

77. GORDON, M.J.

Title: Research on Alternative Policies in Pricing the Services of a Telecommunication Carrier.

Research: Completed

Report: Gordon, M.J. Research on Alternative Policies in Pricing the Services of a Telecommunication Carrier. Ottawa: Department of Communications\*, 1975.

79. GUTHRIE, A.

Title: The Manager-Machine Interface.

Research: Completed

Report: Guthrie, A. Interactive Computing and the Manager-Machine Interface. Quebec: Canadian Association of Administrative Sciences, Laval University, 1976.

The Report is not publically available.



81. HAWKES, D.

Title: The Graphics of Nationalism: a survey of the emotional impact of typography from Johannes Gutenberg to René Lévêque.

Research Continuing

Report: Hawkes, D. "New Maclean's Graphics Too Timelike: Critic," Content, No. 57 (November, 1975) 13.

83. HENDERSON, B.

Title: Use of Comparative Testing Information by Canadian Consumer Subscribers.

Research: Completed

Report: Thesis project (Consumer Studies), University of Guelph.

86. ROY, O.Z.; CHARBONNEAU, J.R.; COTE, C.; WARRICK, A.; COSSALTER, J.

Title: Communication for the Handicapped: typewriter remote control systems.

Research: Continuing

Report: *A variety of communication systems are being investigated to promote language and educational development for non-verbal severely disabled children. The system includes one which uses a visual symbol display with audio whole word and sentence reinforcement. The visual display consists of a constant organization of symbols which are capable of conveying both subjective and objective life experiences. A parallel investigation is being conducted on a system which uses phoneme blocks which when properly combined produce a language based on English with the unlimited flexibility of English.*

88. HURTUBISE, R.A.; GRENIER, C.; POULIN, Y.

Titre: Simulation d'un réseau de télédocumentation: étude comparative de divers modes de transfert d'un matériel documentaire dans un réseau théorique de documentation.

Recherche: Terminée





Rapport: Hurtubise, R.A., Grenier, C. et Poulin, Y. Description d'un modèle de simulation en ordinateur numérique d'un réseau de télé-documentation. Québec: Ecole nationale d'administration publique, Université du Québec, 1975.

Ce rapport n'est pas accessible au public.

89. JARVI, E.

Title: The Role of Canadian Academic and Public Libraries in the Dissemination of Canadian Government Information.

Research: Completed

Report: Jarvi, E. Access to Canadian Government Publications in Canadian Academic and Public Libraries. Ottawa: Canadian Library Association, 1976.

90. JERVIS, M.J.; SKOE, A.S.

Title: A Conference Television Experiment.

Research: Completed

Report: Jervis, M.J. and Skoe, A.S. An Experiment in Conference Television. Vancouver: British Columbia Telephone Company, 1974.

91. JOHANSEN, P.

Title: Members' Attitudes Toward Televising the Alberta Legislative Assembly.

Research: Completed

Report: Johansen, P. "Members' Attitudes Toward Televising the Alberta Legislative Assembly". Mimeo Report.

92. KALRA, S.N.; MAJITHIA, J.C.

Title: Protocol and Related Studies in Packet Switched Networks.

Research: Completed



Report: Kalra, S.N. and Majithia, D.C. Study of Protoc 1 in Data Networks. Waterloo: Research Institute, University of Waterloo, 1974.

The Report is not publically available.

93. KING, J.

Title: A Demand Study into the Need for a Professional, Advanced-level School in the Production Arts of Broadcasting and Film-making in Canada. (tentative)

Research: Completed

Report: King, J. Training Professionals: Broadcasting and Film Arts. Edmonton, Alberta: Department of Advanced Education and Manpower\*, 1975.

94. KOLERS, P.A.

Title: Visual Information Processing.

Research: Continuing

Report: Various aspects of acquisition, representation, and use of information are studied by experimental means. Typically, text is presented in various formats, including electronic and its ease of reading, comprehensibility, ease of remembering or the like are studied. Also, work is now underway to monitor the sequence and location of movements of the eyes that are made while people read text or look at pictures, again with the dim of modelling the processes of representation.

95. KOST, E.

Title: An Exploratory Study of Consumer Comprehension of Labelling Symbols.

Research: Completed

Report: Thesis project (Consumer Studies), University of Guelph.





97. LECLERC, R.

Titre: L'expérience religieuse pour l'homme de l'audio-visuel.  
Recherche: Complétée  
Rapport: Maîtrise des Arts (théologie), Université du Québec à  
Trois-Rivières.

98. LEGRES, R.

Title: An Explanatory Study of Consumer Knowledge and Use of  
Dating Information on Food Products.  
Research: Completed  
Report: Thesis project (Consumer Studies) University of Guelph.

102. LIBBY, W.L.

Title: The Relationships Between Social Psychological Studies  
of Nonverbal Behaviour and Two-Way Telecommunication.  
Research: Continuing  
Reports: *Seven* studies have been completed. The first three  
concerned the effects of personal immediacy and social  
climate as perceived through different media upon  
performance. The latter *four*, along with studies in  
progress examine the effects of interpersonal distance  
(Hall's concept of proxemics) as perceived through different  
media upon nonverbal behaviour of the perceiver. Independent  
variables have included: friendliness, social climate,  
immediacy, physical distance, psychological distance or  
intimacy, sex, location of objects in environment, commu-  
nication medium. Dependent variables have included various  
performance variables in a two-person game, physical dis-  
tance, psychological distance or intimacy, ocular behaviour,  
etc.

103. LIEFELD, J.; NORSWORTHY, F.A.

Title: The Influence of Television Advertising on Children  
Compared to Peer and Parental Influence.  
Research: Completed  
Report: Norsworthy, F.A. "The effects of television Advertisements  
on Children Relative to that of Parental Instruction and  
Peer Conformity" 1975. Thesis MSC (Consumers Studies)  
University of Guelph.



104. LIEFELD, J.; NORSWORTHY, F.A.; McCAULEY, H.; PITCH, K.; STICKLASA, H.
- Title: Television and Children: an experimental study
- Research: Completed
- Report: Liefeld, J., Norsworthy, F., McCauley, H., Pitch, K. and Sticklasa, H. "Television and Children: an experimental study". Working paper, Department of Consumer Studies, University of Guelph, 1975.
105. LOGAN, K.; LOPIANOWSKI, N.M.; GREEN, L.J.; GULLETT, F.; GARDINER, A.C.
- Title: Study of the Potential Availability of Small Low Cost Mass-production Earth Terminals to be Used in Satellite Direct Broadcasting in the 1980's.
- Research: Completed
- Report: Logan, K., Lopianowski, N.M., Green, L.J., Gullett, F. and Gardiner, A.C. A Study of Low Cost Earth Terminals for a Direct Broadcast Satellite Service. Ottawa: Department of Communications",\* 1974.
107. McDONALD, C.
- Title: An explanatory Study of Awareness, Knowledge and Use of Case Labels by Purchasers of Yard Goods.
- Research: Completed
- Report: Thesis project (Consumer Studies), University of Guelph.
108. McNAMARA, W.C.
- Title: Modification of Video Tape Recorder for Programmed Learning.
- Research: Continuing
- Report: The project will encompass the modification of a one-inch video tape recorder to accept a programmed learning sequence, the development of software and the evaluation of the system.



109. MAGAZINE ASSOCIATION OF CANADA

Title: A Detailed Report on Expenditures: magazine buyers vs. non-buyers of magazines.

Research: Completed

Report: The Magazine Association of Canada. A Detailed Report on Expenditure: Magazine buyers vs. non-buyers of magazines. Toronto: The Magazine Association of Canada, 1974.

110. MALIK, M.F.

Title: Matrices for the High Level Language for Video Digital Processor.

Research: Completed

Report: Malik, M.F. and Cerny, E. High Level Language for Video Digital Processor. Part One: Development of Matrices for Video Digital Processing. Montreal: Loyola, Faculty of Arts and Sciences, Concordia University, 1974.

The Report is not publically available.

112. MASLECK, C.L.

Title: The Role Perception of English-language Press Gallery Correspondents.

Research: Completed

Report: Honours thesis.

114. MEMORIAL UNIVERSITY OF NEWFOUNDLAND (Extension Service)

Title: Community Learning Centre

Research: Continuing

Report: A two-way communications system involving videotape and possibly radio, telephone and television to facilitate better communications among rural Newfoundlanders. They will have the opportunity to design their own programmes and offer feedback to programmes designed for them.





115. MILLAR, S.

Title: Press Coverage of Atomic Energy and the Oil Crisis:  
the need for science reporting.

Research: Completed

Report: Honours thesis

118. MYLOPOULOS, J.; SCHUSTER, S.; TSICHRITZIS, D.

Title: Design and Implementation of an Automated Query System.

Research: Continuing

Report: The objective is to develop a prototype system which bridges the gap between successful work done on Question-Answering Systems (QASs), natural language understanding, semantic information processing, natural language generation, deductive reasoning, etc., with successful work done on Data Management Systems (DMs). Such a system could allow people who know little about computers (managers, secretaries, etc.) to have access to data bases they could only use through third parties in the past.

119. O'BRYAN, K.G.; RAICES, M.; Zuckernick, A.

Title: Monkey Bars Research Project.

Research: Completed

Report: Raices, M. and Zuckernick, A. Monkey Bars Research Project, Toronto: Ontario Educational Communications Authority, 1974.

120. O'BRYAN, K.G.; KUPLOWSKA, O.; REGIMBAL, M.

Title: "The Sunrunners"

Research: Continuing

Report: A heavy involvement in the development of the "Let's Speak English" programme - "The Sunrunners" is being undertaken. Stage I involved the reviews of scripts, analyses of the audience characteristics, development of structures, preparation of materials for production information and field testing the pilot programme. A report presenting the findings of the field test is available. Stage II, scheduled for fall 1976, will involve a general evaluation of the programme series and like the pilot test, will be directed mainly at in-school audiences.



121. OGSTON, D.G.

Title: The Mediating Effects of Attention on Learning from Instructional Television.

Research: Completed

Report: Ogston, D.G. "An Instructional Television Behavioral Pretest Measure and Relationship to Learning", Journal of Educational Technology Systems Vol. 4, 1975, 125-138.

122. PATRY, P.

Titre: De la communication à la conscience, ou, quand la conscience comprend le message, ou, la technologie du bon moral.

Recherche: Se poursuit

Rapport: Explorer la possibilité d'une meilleure adéquation entre les facultés naturelles de l'homme à s'exprimer, participer et communiquer, et les facultés technologiques qu'il s'est donné par extension et dont il risque de devenir le prisonnier si sa conscience n'est pas tenue en éveil. Donc, de répondre aux besoins urgents du monde actuel, de s'adapter et de se réconcilier avec la technologie moderne.

123. PETERSON, A.M.; PARKER, E.B.; COLL, D.C.; GEORGE, D.A.; LUMB, D.R.

Title: CTS Digital Video College Curriculum Sharing Experiment (Communications Technology Satellite).

Research: Continuing

Report: The experiment is: (1) to demonstrate the ability to expand the scope of instruction by sharing classes between universities that have different emphasis and orientations, (2) to develop optimum class presentation and student/teacher interaction techniques for remote curriculum sharing, and (3) to develop, demonstrate and evaluate a cost effective digital video compression system in conjunction with efficient channel coding and modulation. The realization of these goals depends on the launching of the satellite.

124. PHILLIPS, W.J.

Title: Models of Continuing Education for Clergy Utilizing Electronic Media as the Principle Means of Delivery of Learning Resources.





Research: Completed  
Report: Thesis (School of Theology), Boston University.

125. RADFORD, K.J.

Title: Information, Communication and Control in Purposeful Organizations.  
Research: Continuing  
Report: Radford, K.J. "Applications of Metagame Theory in Managerial Decision Making", OMEGA International Journal of Management Service (London, England), Vol. 3, No. 3, June, 1975.

*The objectives of the research are (1) to contribute to the development of the theory and methodology applicable to communication and control in organizations; (2) to collect data in a series of experiments designed to test the applicability of different approaches to complex decision problems arising in complex organizations; (3) to determine the information requirements of decision makers involved with complex decision problems in modern organizations.*

*The research embodies a theoretical approach to complex decision problems based on recent developments in game theory and a programs of experiment with decision procedures in operating organizations.*

126. RAU, I.

Title: The Use of Telex by the Saskatchewan Government in Disseminating its Information and How it Could Affect the Saskatchewan Media.  
Research: Completed  
Report: Honours thesis (Journalism), Carleton University.

128. ROMANIUK, W.E.; GARRAWAY, R.W.T.

Title: The Use of APL for Remote Computer-Assisted Instruction.  
Research: Completed  
Report: Garraway, T. Computer-Assisted Instruction in the N.W.T. Edmonton: Division of Educational Research Services, University of Alberta, 1974.



129. SALISBURY, R.F.; VALASKAKIS, G.; ELBERG, N.

Title: Anik and Isolation: a study into the effects of satellite television broadcasting on isolated northern and Indian communities and of related communications patterns.

Research: Continuing

Reports: Elberg, N.; Salisbury, R.F. and Visitor, R. The End of the Line (or the beginning); Communications in Paint Hills. Ottawa: Department of Communications,\* 1975.

*Fort George, stage 2 of the study is in analysis of data phase with comparative analysis to follow. Initial findings show how high technology facilitates north-south communication, but makes local and regional communication more difficult, relatively and absolutely.*

130. SAVOIE, R.; DESJARDINS, R.

Title: A Study of the Social Effects of Electronic Media Deficiency on the Attitude of Two Given Groups of Francophones in New Brunswick.

Research: Completed

Report: Desjardins, R. Effets d'une organisation inadéquate des services de télévision sur les attitudes de deux populations francophones du Nouveau-Brunswick: celle du nord-est et celle du sud-est. Moncton: Université de Moncton, 1976.

The report is not publically available.

131. SCANLON, T.J.

Title: Interpersonal Communication in Crisis Environment (field studies).

Research: Continuing

Reports: Several monographs have been published: "Port Alice Evacuation Study", "The Sydney Disaster" and "Warning - Smell of Gas".

Scanlon, T.J. "Crisis Communication in Canada" ("Communications in Canadian Society" edited by Benjamin D. Singer) Toronto: Copp Clark Publishing, 1975, (Second revised edition).



133. SINGER, B.

Title: Social Functions of the Telephone.

Research: Completed

Reports: Singer, B. Social Functions of the Telephone. Ottawa: Department of Communications\*, 1975.

136. STEINBRING, J.; HAMER, J.

Title: Joint Study with University of Brandon on the Impact of Communications, Telephone and Television on Remote Northern Communities.

Research: Continuing

Report: *Emphasis is now being directed toward interim synthesis, continuing ethnology in one Cree community, and some minor quantitative data collecting in the Northern Ojibwa community.*

137. STEPHENNE, H.; RUDKO, M.

Titre: Evaluation comparative de systèmes de communication pour les langues anglaise et française par le biais de tests d'intelligibilité.

Recherche: Complétée

Rapport: Stéphenne, H. et Rudko, M. Evaluation Comparative de systèmes de communication pour les langues anglaise et française par le biais de tests d'intelligibilité. Sherbrooke: Université de Sherbrooke, 1975.

139. STULLER, J.

Title: Pictorial Information Communication, Restoration and Enhancement.

Research: Continuing

Report: Tree coding of pictures is studied in the context of rate-distortion theory. Scene density samples are modelled as outputs from a Gaussian-autoregressive source.





Superresolution is approached from a decision-theoretic context, and an M-ary generalized likelihood ratio test is shown to give optimum decision under certain conditions.

The problem of restoration *in color imagery* is studied with the view to minimizing the effective radius of system blur subject to a noise gain constraint.

140. TASK FORCE ON THE COMMUNITY COLLEGE IN BRITISH COLUMBIA  
(H. L'Estrange, Chairperson)

Title: Towards the Learning Community (1974) - Working Paper.

Research: Completed

Report: Task Force on the Community College in British Columbia - H. L'Estrange - Chairperson. Report of the Task Force on the Community College - British Columbia. Victoria: Research and Development Division, Department of Education\*, Province of British Columbia, 1974.

141. TATE, E.

Title: Comparison of News Styles on the CBC and the CTV

Research: Continuing

Report: This project consists of a content analysis of news stories carried by the CBC and the CTV on the same nights. The study will focus upon news content, method of presentation, and make a comparison between the two networks.

142. TATE, E.; SURLIN, S.H.

Title: A Cross-cultural Comparison of Viewer Agreement with Opinionated Television Characters.

Research: Completed

Reports: Tate, E.D. and Surlin, S.H. "Agreement with Opinionated Television Characters: A Cross Cultural Comparison", Journalism Quarterly, Summer 1976.

Tate, E.D. and Surlin, S.H. "Agreement with Opinionated Television Characters: A Cross Cultural Comparison", Research in Education, 1976.



143. TATE, E.

Title: Effects of American Courtroom Television Drama Upon Beliefs About the Canadian Courtroom Procedure.

Research: Completed

Report: Trach, L.F. "Television Legal Programs: A Study in Communication Effect". Unpublished M.A. thesis, Department of Sociology, University of Saskatchewan, 1975.

144. TATE, E.

Title: Use of Communication Variables in Jury Selection.

Research: Completed

Report: Tate, E.D. and Hawrish, E. "Determinants of Jury Selection", Saskatchewan Law Review, 1975.

145. TATE, E.

Title: Viewer Agreement with Opinion Television Characters from the Canadian Television Show, Excuse my French.

Research: Continuing

Report: Research upon agreement with opinionated characters in the television show "All In The Family" has shown that persons who are dogmatic will identify with the dogmatic television character (see Tate and Surlin). It is hypothesized that the same is true for the television show "Excuse My French". Instead of changing attitudes towards another ethnic group, as argued recently on the CBC by the producers of the show, the show will reinforce existing beliefs about French Canadians in Quebec. The study consists of a survey of television viewers in Saskatoon and possibly viewers in the Saskatoon French community. In other words the survey will compare, if possible, the general audience with a specific French Canadian audience as well as general ethnocentrism among viewers and agreement with characters.

146. TAYLOR, L.

Title: The Effects of Sesame Street on the Cognitive and Achievement Patterns of Children in Southern Labrador.



Research: Continuing

Report: The major purpose of this research project is to assess the effects of the programme "Sesame Street" upon the children living in isolated communities of Labrador. As most of the south coast of Labrador does not receive broadcast television, this area provided a unique opportunity to assess the specific effects of a controlled exposure to the programme. A group of kindergarten and grade one students were shown "Sesame Street" five days per week as part of their regular school day. They were then given a series of 42 subtests to measure the effects of the programme. As well a control group from a similar environment, who did not view the programme, were given the same subtests. The results from the two groups were then compared to determine the effects of the programme.

149. THORNGATE, W.B.; OSBORNE, J.

Title: A Comparison of the Accuracy of News Reporters and Laymen in Evaluating and Communicating Information.

Research: Completed

Report: Thorngate, W.B. "A comparison of the Accuracy of News Reporters and Laymen in Evaluating and Communicating Information". Edmonton: Department of Psychology, University of Alberta, 1975.

150. THORNGATE, W.B.

Title: Information Seeking and Information Processing.

Research: Continuing

Report: This project has attempted to test the hypothesis that, other things being equal, the tendency to seek information relevant to a decision, and the order in which it is sought, will be directly related to the subjective importance of the information. The hypothesis has now been verified and information seeking behaviours are being examined to indicate what type of cognitive processes decision makers employ.

153. TRANS-CANADA TELEPHONE SYSTEM (The Computer Communications Group)

Title: Datapac. Standard Network Access Protocol.





Research: Completed

Report: The Computer Communications Group: Trans-Canada Telephone System. Datapac. Standard Network Access Protocol. Ottawa: The Computer Communications Group: Trans-Canada Telephone System, 1976.

154. TUROK, B.; DANIEL, J.S.

Title: Telephones in Teaching and Learning - An International Survey.

Research: Completed

Reports: Daniel, J.S. and Turok, B. "Teaching by Telephone: A Two Way Communication Mode in Distance Education", The Systems of Distance Education (Proceedings of the 10th ICCE World Conference. Brighton, England, May 1975).

Turok, B. and Daniel, J.S. "New Uses of the Telephone in Adult Education", (Aspects of Educational Technology IX edited by Evans, L.; Leedham, J. and Page, K. London, 1975).

Daniel, J.S. "The Use of Teleconferences in the Administration of a Geographically Dispersed Organization", Québec: Télé-université, 1975.

Bertrand, G. et Daniel, J.S. "Les téléconférences à l'Université du Québec". Québec: Université du Québec à Québec, 1975.

155. URWICK, CURRIE & PARTNERS LTD.

Title: Data Terminal Technology - Present and Future.

Research: Completed

Reports: Urwick, Currie & Partners Ltd. Edited by R.G. Fajaros. Data Terminal Technology - Present and Future. Vol. 1 State-of-the-Air. Ottawa: Communications Research Centre, 1975.

Urwick, Currie & Partners Ltd. Edited by R.G. Fajaros. Data Terminal Technology - Present and Future. Vol. 2 Technology Forecasting and Assessment. Ottawa: Communications Research Centre, 1975.



156. WALKER, D.J.

Title: Police/Media Relations; a study of the interaction of police officials and media officials in Ottawa and district.

Research: Completed

Report: Honours thesis (Journalism), Carleton University.

159. WANIEWICZ, I.

Title: Public Demand for Part-time Learning in Ontario - Survey.

Research: Completed

Report: Waniewicz, I. Demand for Part-time Learning in Ontario, Toronto: Ontario Institute for Studies in Education, for the Ontario Educational Communications Authority, 1976.

163. WILHELM, B.; BLACHFORD, C.; RAINEY, B.; LECLERC, M.L.; MARQUETTE, R.; COTE, W. (*Québec. Service général des moyens d'enseignement: Ministère de l'Éducation*).

Title: V-9 Saskebec Satellite Project - Study of the Télé-education/culture Saskatchewan, Quebec Exchange Experiment Planto Analyse Data Collection from both Sociological and Linguistic Perspectives.

Research: Continuing

Report: The object of the project is to develop communications via a communications technology satellite with a francophone community in northern Saskatchewan and a proportionally small village in Quebec. The objective is to discover if communication with a French-speaking area of Canada will have a valid effect in the preservation of French language and culture in the small rather isolated community of ZenonPark, Saskatchewan. The communication will have other uses (i.e., broadening of horizons of both communities) such that they become familiar with a new part of Canada etc. Other outcomes will be discovered during the evaluation period of the project.



164. WILLIAMS, E.

Title: Study of the Effects of New Communications Services, Especially Teleconferencing on the Behaviour of People.

Research: Completed

Report: Short, J., Williams, E. and Christie, R. The Social Psychology of Telecommunications. Chichester, United Kingdom: Wiley International, 1976.

165. WILSON, C.E.

Title: University of Western Ontario School of Journalism Continuing Research Project: preliminary survey.

Research: Completed

Report: Preliminary survey: an attempt to identify and set priorities among major news area problems, as seen by Canadian daily papers. Future studies: investigations into the priority areas identified.

166. WOODS, GORDON AND CO.

Title: Study of User Requirements and Market Survey for Current and Future Computer/Communications Devices.

Research: Continuing

Report: The main objectives of the study were: (1) to identify on the basis of user needs, a number of computer/communications terminal opportunities that would develop in the next 3-5 years in Canada, (2) to determine the likely market size and factors affecting the market for these opportunities, and (3) to select at least one opportunity and define the terminal in sufficient detail to allow equipment designers to develop detailed specifications.

167. YAP, K.S.

Title: Chinese Immigrants in Ottawa: A Survey of mass media attitudes and behaviour.

Research: Completed

Report: Honours thesis (Journalism), Carleton University.





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